



*Mr. Rex*

# Building for Permanence

KALMAN STEEL COMPANY

*Heffernan Bldg Syracuse*



# Kalman for Faster Building



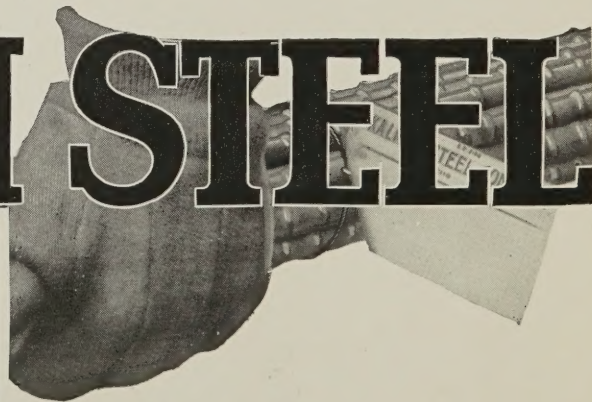
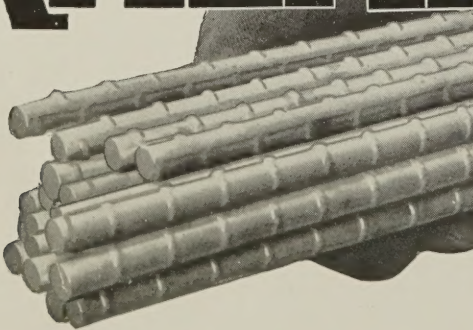
**K**ALMAN STEEL COMPANY offers a complete line of products for the reinforcing of concrete, starting with the well known *Corrugated Bars* and including all the necessary supports, spacers, and concreting accessories.

But, in addition, Kalman offers the building industry an engineering, designing and estimating service, which is so efficient, that it is widely used in the field.

Architects, engineers and contractors are submitting increasing problems of concrete reinforcement to Kalman engineers.

To complete the service which Kalman is rendering, branch offices and warehouses have been established throughout the country at strategic locations. These enable immediate delivery to the job—rapid fabrication—bundling, tagging, and all the other features of service which result in faster, more economical building.

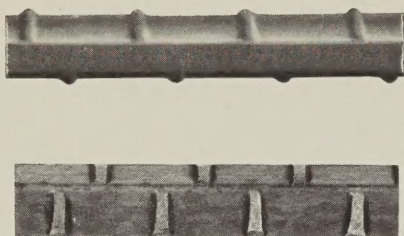
# KALMAN STEEL



Atlanta  
Baltimore  
Boston  
Buffalo  
Charlotte  
Chicago  
Columbus  
Dayton  
Detroit  
Houston  
Kansas City  
Milwaukee  
Minneapolis  
New York  
Niles  
Pittsburgh  
Philadelphia  
St. Louis  
St. Paul  
Syracuse  
Washington, D. C.  
Youngstown



# Reinforcing for Permanence



*Corrugated Bars*

## *Corrugated Bars*

ON reinforced concrete work, contractors who use *Corrugated Bars* can reduce setting time to the minimum.

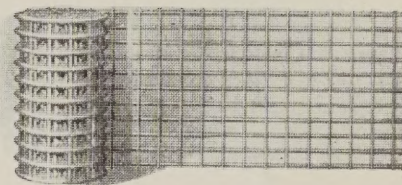
Kalman deliveries are on time. This eliminates the possibility of expensive delays. *Corrugated Bars* may be secured ready to be set in place on the forms. The troublesome details of bending, cutting, and fabricating have all been taken care of at the Kalman warehouse. The bars are tagged and bundled according to specification.

Because of this service, *Corrugated Bars* can be set in the shortest possible time. Concrete pouring can be started sooner. And the time required for building is cut to an absolute minimum.

## *Wire Fabric*

KALMAN Steel Fabric is made from high grade open hearth, cold-drawn steel wire—a wire that will develop an average tensile strength of not less than 75,000 pounds per square inch—a wire that will bend cold 180 degrees around one diameter without fracture. In addition, the intersecting wires are electrically welded and actually *fuse* into one solid homogeneous section.

As a result, there is an absolutely rigid connection at every joint. Such qualities make Kalman Steel Fabric exceptionally well adapted to concrete reinforcing for virtually any type of construction. Furnished either in rolls or flat sheets.



*Wire Fabric*



*Column Spirals*

## *Column Spirals*

KALMAN Spirals, we believe, are superior to any others on the market today. They are accurately coiled and are furnished with substantial spacers—assuring perfect condition when they reach the job.

Kalman Spirals are made in continuous lengths, without laps. When we come to the end of a wire it is electrically welded to another. It has been proven that this weld is actually stronger than the wire itself.

As a result, Kalman Spirals give the maximum in reinforcement for concrete columns.



# Bar Supports

## *The New Kalman High Chair —for Tees or Steel Bars*

**K**ALMAN High Chairs are used to support concrete reinforcing. The legs pull apart and lock at the exact height you specify. Supporting bars are dropped in the cradle of the chair. Or, if tees are used, the chair is turned around and the stem of the tee is inserted in a slot at the top where the legs meet.

Kalman High Chairs will not sag or spread. They require no nailing and do not interfere with the flow of concrete. Hold tees or bars at any height from 3 to 15 inches.

## *Beam Chairs*

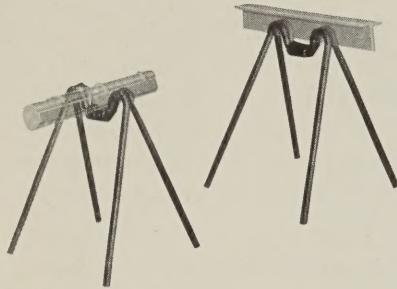
**K**ALMAN Beam Chairs assure correct support and horizontal spacing of beam and girder steel. They are very strong and will not tip. Deep bar pockets eliminate the need of special fastening to hold the bars in place. Accurate spacing gives correct sidewise separation. They are set quickly and easily and do not interfere with the flow of concrete. They are so designed that different rod elevations and sidewise spacing can be furnished easily, quickly, and at minimum cost, according to specification.

## *Rib Chairs*

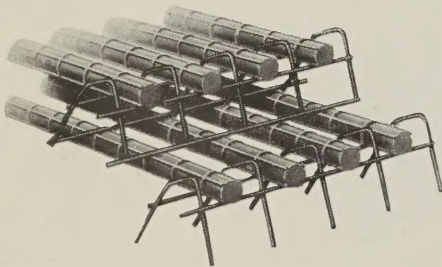
**K**ALMAN Rib Chairs make the accurate setting of reinforcing bars for rib slabs a fast and easy job. They are made to fit the ribs for which they are intended. As a result, all the steel setter has to do is drop the bars into these chairs. They hold the bars in the exact position specified, without fastening. And they do not interfere with the flow of the concrete.

## *Bar Chairs*

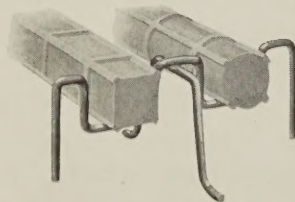
**K**ALMAN Bar Chairs are supporting devices for general use on work where slab spacers are not provided. They are very strong and are so designed as to support single reinforcing rods or to be placed at points where two rods cross each other. They stay solidly in place and hold the bars securely without tying or fastening.



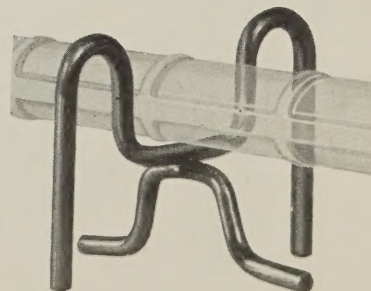
*High Chairs*



*Beam Chairs*



*Rib Chairs*



*Bar Chairs*



# And Spacers

## *The New Kalman Slab Spacer (clip type)*

WITH the new Kalman Slab Spacer, reinforcing steel for concrete slabs can be set with a speed and accuracy never before equaled.

All the steel setters have to do is lay a reinforcing bar over each leg of the spacer. Then, stepping on each bar as they go, the work is done.

As each bar is pushed into the spring clip it is automatically *locked* in place—at the exact height above the forms and at the exact distance apart that the plans specify.

## *The Kalman Slab Spacer (tie wire type)*

FOR those who require tie wire spacers, the Kalman Slab Spacers insure the accurate spacing of reinforcing bars and makes setting fast and easy.

The legs of this spacer are spaced exactly as specified. All the steel setter has to do is drop a bar on each leg—twist the tie wires—and the work is done. The spacing is accurate, and the bars are supported at the height specified.

## *The New Kalman Bar Clip*

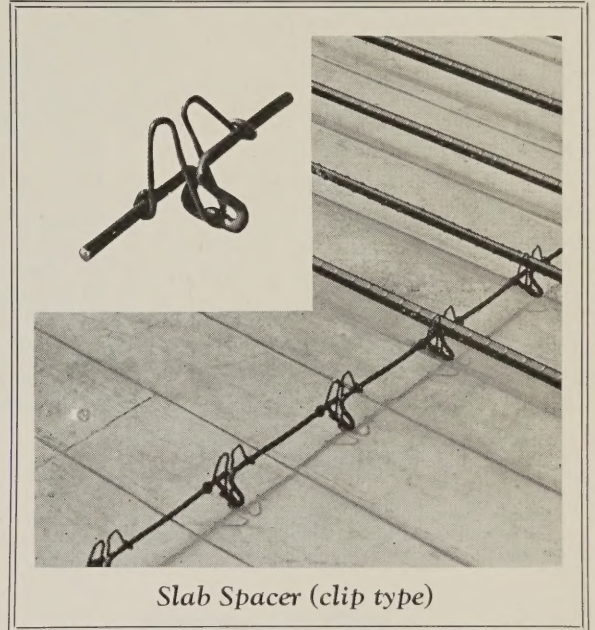
THE new Kalman Bar Clip eliminates the costly process of welding bars together for reinforcing mats, or the inaccuracies that so often result from tie wire methods.

The bars are placed on an assembly frame in their proper positions. The steel setter slips the clip around the intersection and locks it into place with the bending iron.

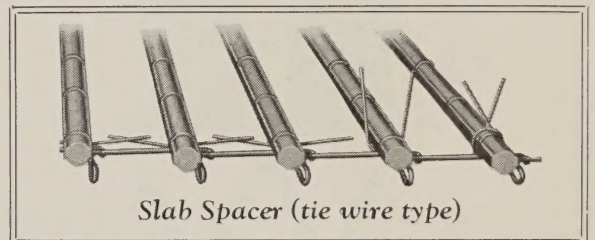
Bar mats, made in this manner, are rigid, strong, permanent, and adaptable to fabrication either in the warehouse or at the job.

## *Kalman Beam Bolster*

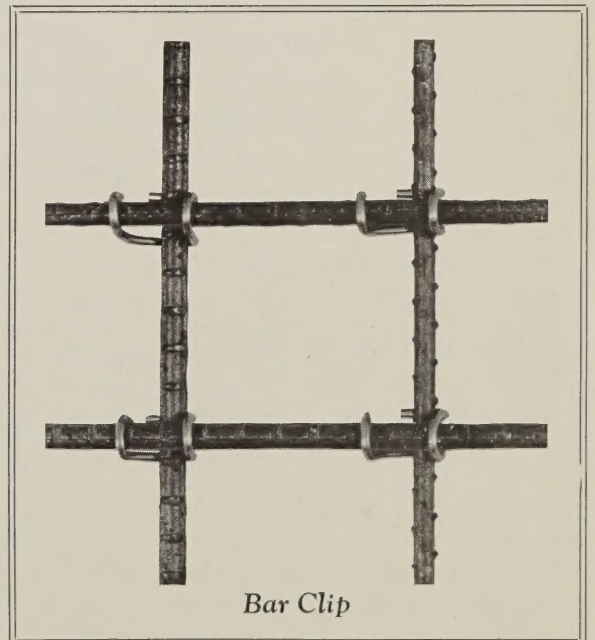
THIS is a strong, continuous chair to support heavy reinforcing steel in beams and girders. It does not provide sidewise spacing as does the beam chair, but will support a bar at any point along the top rod. Bars are wired to the Kalman Beam Bolster in the usual manner.



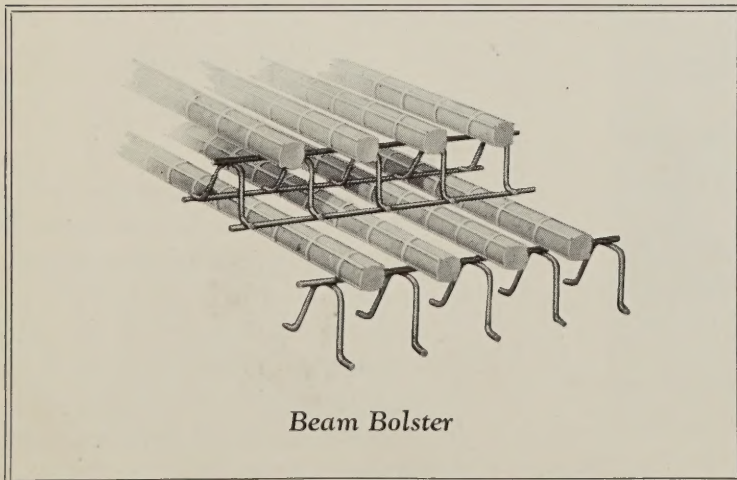
*Slab Spacer (clip type)*



*Slab Spacer (tie wire type)*



*Bar Clip*



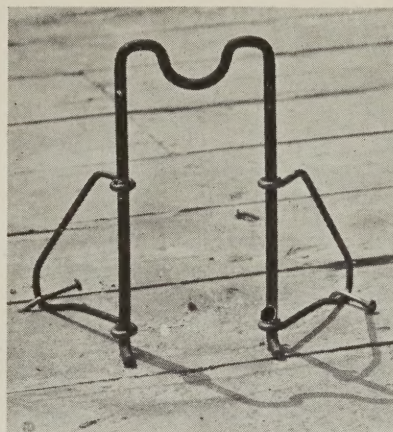
*Beam Bolster*



# Concreting Accessories

## *The New Kalman Screed Chair*

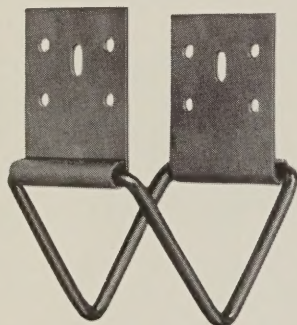
**T**HE main body of this new chair is made of a single piece of heavy steel wire. Attached to each leg is a movable supporting wing. When the chairs are being set, the wings can be moved to any position necessary—and a nail in the end of each wing assures absolute rigidity. Then the leveling pipes are laid in the grooves of the chairs—concrete is poured—and the strike-off job completed by pulling screed boards across the leveling pipes.



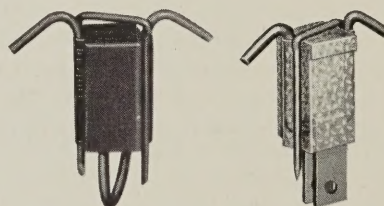
*Screed Chairs*

## *Kalman Hanger Inserts*

**T**HE Kalman Hanger Insert safely supports loads up to 300 pounds from concrete slab ceilings. Push it in place on the forms. Give it a blow or two on the holding staple. And the job is finished. When the forms are taken down, a wire ring or strap hanger—which assures quick and easy fastening—falls below the ceiling level. Staple ends are not in the way and need not be clipped.



*Sleeper Anchors*



*Hanger Inserts*

## *Kalman Sleeper Anchor*

**T**HIS is the most efficient device for anchoring wood floor sleepers to concrete slabs. "V"-shaped loops imbed in the concrete and provide perfect mechanical bond, which positively prevents loosening and withdrawal once the concrete is set. Metal wings are easily raised to an upright position to receive the sleeper.



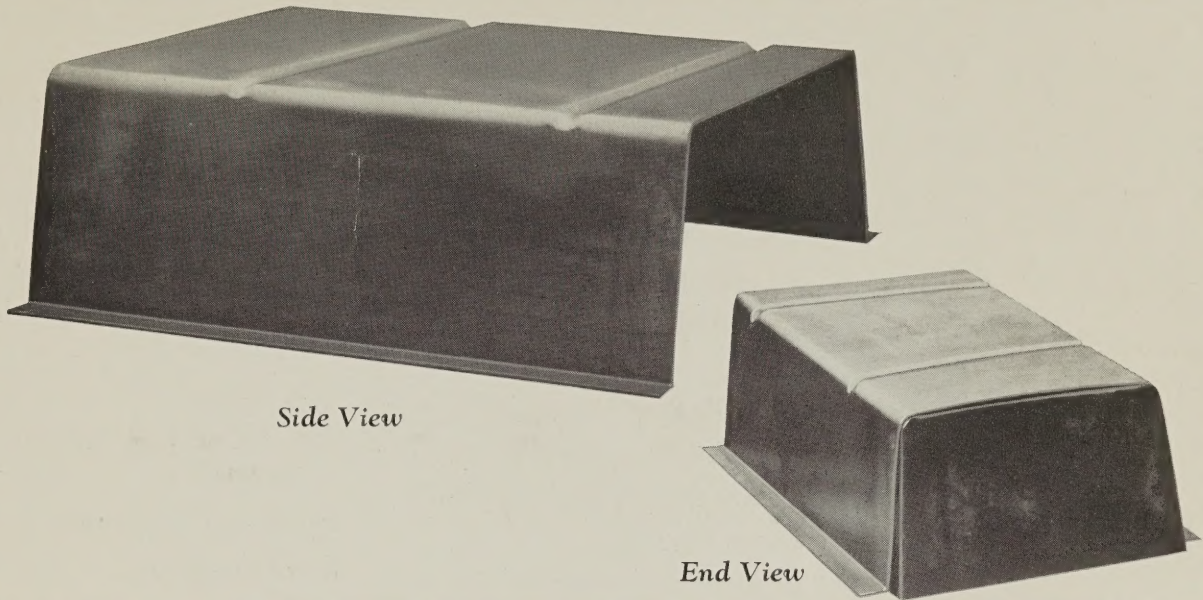
*Adjustable Inserts*

## *Adjustable Inserts*

**T**HE Kalman Adjustable Insert is designed for heavier loads. It is stapled to the forms before concrete is poured. The holding staple remains in the forms when they are taken down. There are no nails to clip. In addition, this insert is made of malleable iron. It will last as long as the concrete itself.



# Steel Tile and Column Forms

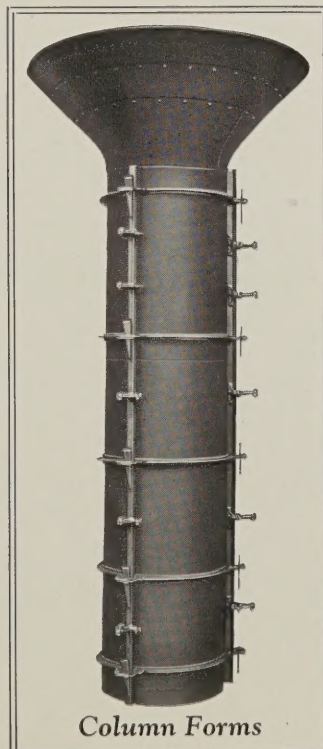


## *Kalman Removable Steel Tile*

**K**ALMAN Removable Steel Tile are used in forming reinforced concrete ribbed slabs in buildings. Because of the large investment involved, the tile are leased instead of sold to the contractor, and are erected by our field organization, the Corr Service Erection Company. Kalman Removable Steel Tile actually save time, labor, and money. The tile are kept in perfect condition, cleaned and reformed after every job. Complete information can be had on request.

## *Permanent Steel Tile*

**K**ALMAN Permanent Steel Tile is made from 26-gauge sheet steel—corrugated for increased rigidity. Prompt shipment can be made.



## *Kalman Steel Column Forms*

**K**ALMAN Steel Column Forms are leased and erected on the same plan as Kalman Removable Steel Tile. The shaft units telescope in assembly, making erection simple and rapid. Alignment is automatic. Wide column rings, supplemented by column clamps, prevent bulging. If you have concrete columns to build, let us save you money on your forms.

*Column Forms*



# Kalman Line of Building Products

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Corrugated Bars

Spirals

Fabric

Slab Spacers

(clip type)

(tie wire type)

High Chairs

Beam Chairs

Beam Bolsters

Rib Chairs

Bar Chairs

Bar Clips

Hanger Inserts

Adjustable Inserts

Sleeper Anchors

Screed Chairs

Removable Steel Tile

Permanent Steel Tile

Column Forms

Hot Rolled Flats

Hot Rolled Angles

Wire Shapes

$\frac{3}{8}$  inch Rib Kalmanlath

Diamond Mesh Kalmanlath

Cup Kalmanlath

Troff Sheet Kalmanlath

Flatrib Kalmanlath

$\frac{3}{4}$  inch Rib Kalmanlath

Kornerite

Kalmanlath Strips

Cold Rolled Channels

Hot Rolled Channels

Pencil Channels

Box Channels

Expanded Corner Bead

Perfection Corner Bead

Wing Bead

Rail Bead

Corner Bead Clips

One Wing Bead

Bull Nose Bead

Curved Point Base Screed

Base Bead

Concealed Picture Mould

Stucco Reinforcement

Stucco Reinforcement Nails

Expanded Metal

Dome Dampers

Wall Ties and Plugs

Chimney Thimbles

Coal Chute Doors

Ash Dumps

Ash Pit and Flue Cleanout  
Doors

Basement Windows

Structural Steel Angles for  
Lintels

Crimpt Metal Furring

Hanger Rods

Tie Wire

Staples

Nails

Metal Trim

Kalmantrim

Steel Buck and Bead

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## KALMAN STEEL COMPANY

ATLANTA

BALTIMORE

BOSTON

BUFFALO

CHARLOTTE

CHICAGO

COLUMBUS

DAYTON

DETROIT

HOUSTON

KANSAS CITY

MILWAUKEE

MINNEAPOLIS

NEW YORK

NILES

PITTSBURGH

PHILADELPHIA

ST. LOUIS

ST. PAUL

SYRACUSE

WASHINGTON, D. C.

YOUNGSTOWN